Distributed Learning Council of Colonels

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The Army Distributed Learning Program
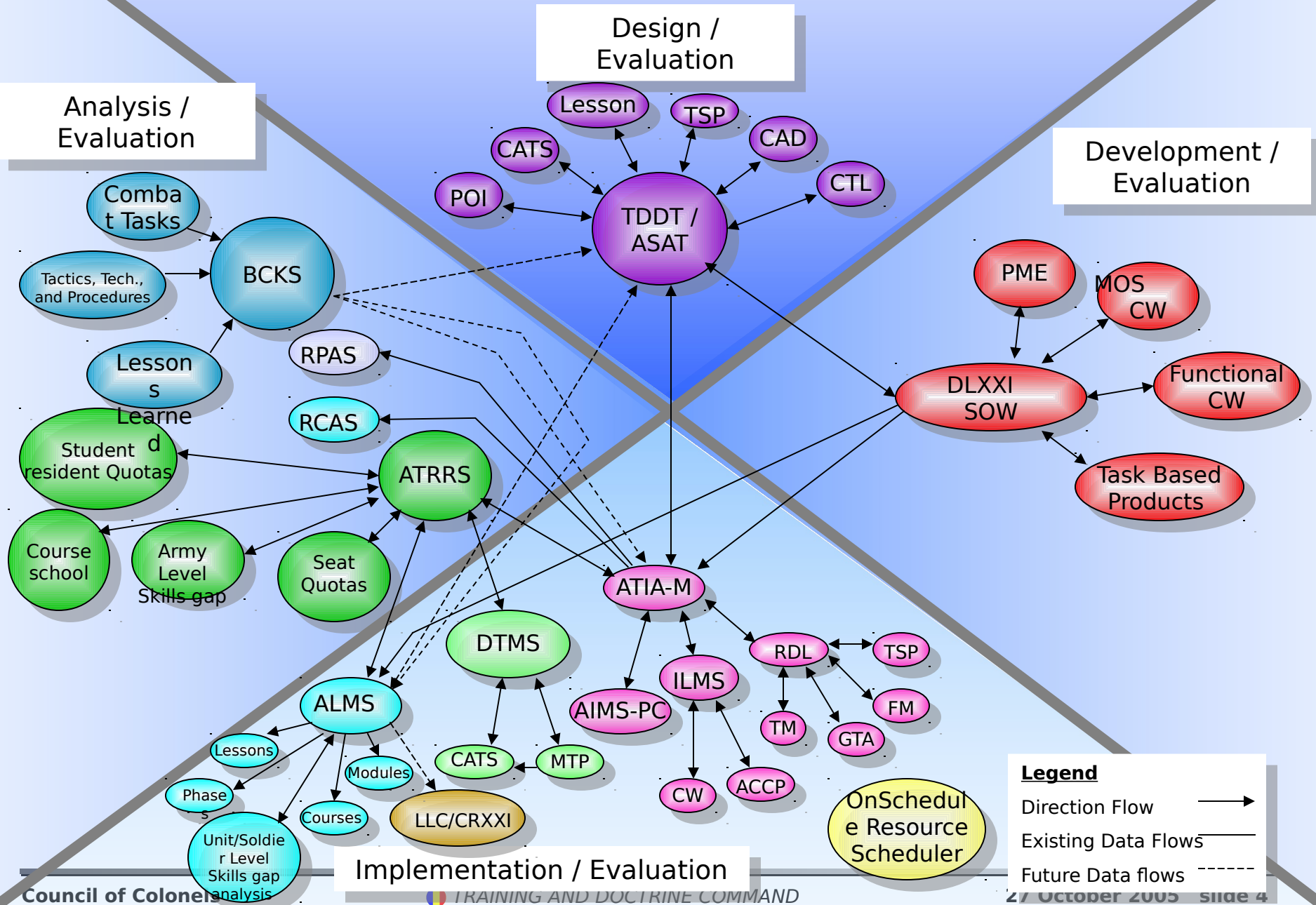
Agenda

- Overarching Architecture C2

Issue & Recommendation

Lack of overarching architecture and program coordination for training related information systems (IS).

- A number of IS's are being fielded, enhanced or maintained to satisfy some part of the Systems Approach to Training (SAT) through the Army's Training Information Architecture (ATIA)

- Currently there are as many management structures as there are systems, each with their own set of requirements and funding

- TADLP TPIO should be designated to lead effort to bring all relevant training information systems together under one common architecture

Recommendation: Use existing dL CoC membership to comprise a Configuration and Requirements Control Board (CRCB) to reconcile and align system requirements, interfaces and configurations. DA G3 and TPIO TADLP co-chair the CRCB.
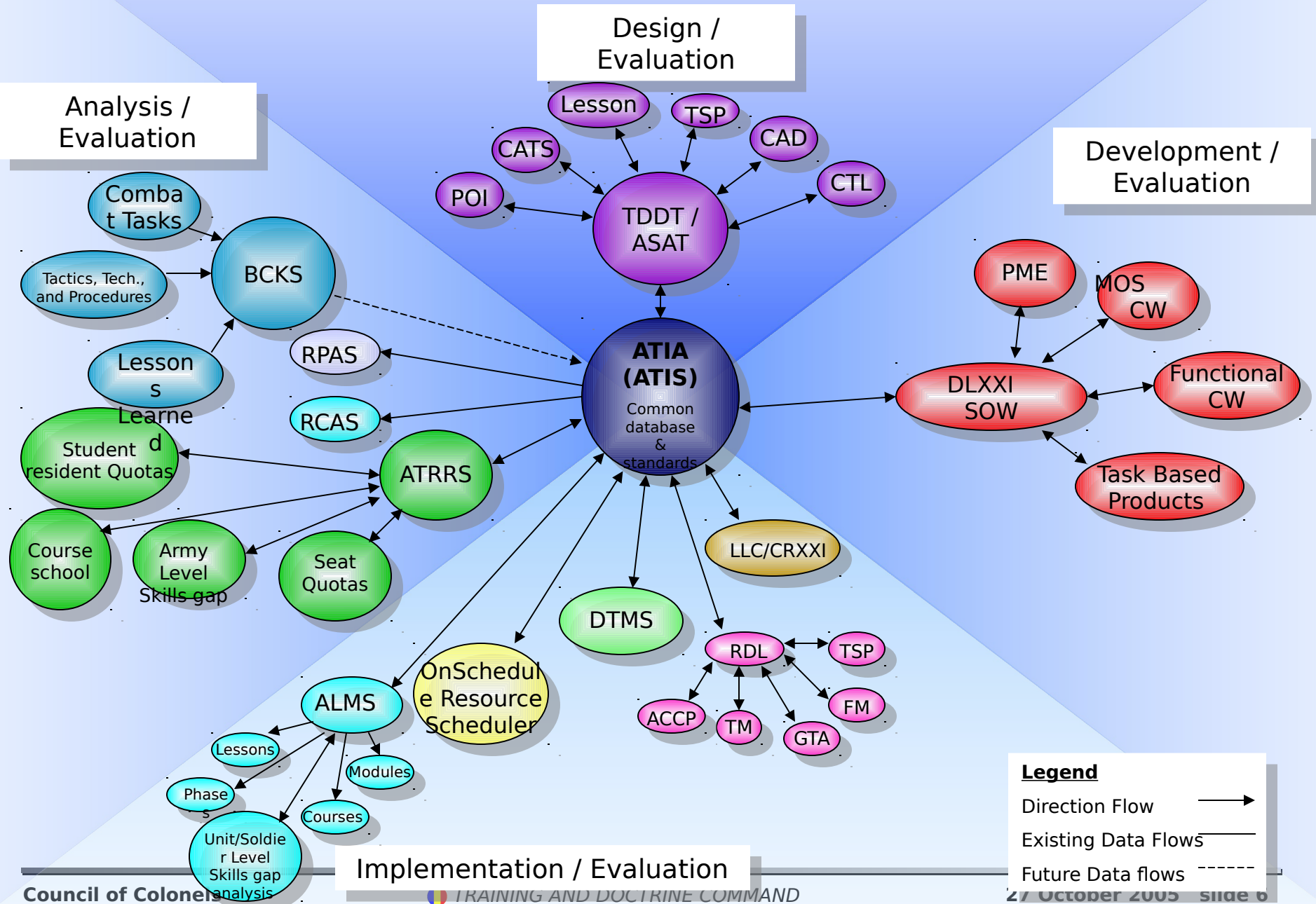
Current Status of Army Training Related Information Systems

Analysis / Evaluation

Design / Evaluation

Development / Evaluation

Implementation / Evaluation

Legend

Direction Flow

Existing Data Flows

Future Data flows

Current Status of Army Training IS's

• As depicted on the previous slide there are numerous training related IS's that fulfill some part of the functional requirements of SAT and ATIA

• The majority of these systems operate within independent acquisition programs and combat developers and with uncoordinated requirements

• This has led to numerous examples of redundant development efforts, redundant requirements and duplicative functionality

• Most prominent examples of IS's with un-reconciled requirements that are directly related to SAT:

  • TDDT- Combat developer TDADD; materiel developer ATSC & PEO STRI

  • AIMS PC- Combat developer TOMA; materiel developer ATSC

  • ALMS- Combat developer TPIO TADLP; materiel developer PM DLS

  • DTMS- Combat developer CAC; materiel developer CAC

  • OnSchedule- Combat developer APG; materiel developer APG

  • CBXXV/LLC- Combat developer TDADD & FT Gordon; materiel

Army Training Information System Vision

Design / Evaluation

Analysis / Evaluation

Development / Evaluation

- Lesson
- TSP
- CATS
- CAD
- POI
- CTL
- TDDT / ASAT

- Combat Tasks
- Tactics, Tech., and Procedures
- BCKS
- Lessons Learned
- RPAS
- RCAS
- Student resident Quotas
- ATRRS
- Course school
- Army Level Skills gap
- Seat Quotas

- PME
- MOS CW
- DLXXI SOW
- Functional CW
- Task Based Products

ATIA (ATIS)
Common database & standards

- LLC/CRXXI
- DTMS
- RDL
- TSP
- ACCP
- TM
- GTA
- FM

- OnSchedule Resource Scheduler
- ALMS
  - Lessons
  - Modules
  - Phases
  - Courses
  - Unit/Soldier Level Skills gap analysis

Implementation / Evaluation

Legend
Direction Flow	→
Existing Data Flows	——
Future Data flows	- - -

Army Training Information System Vision

- As depicted on the previous slide the ATIS vision is a system of systems approach to aligning requirements, functionality and interfaces between both training related IS's and non-training related IS's (ATRRS, BCKS, RCAS, RPAS)

- This system of systems approach requires:
  - Single architecture (operational & system view)
  - Consolidated requirements databases (functional & system)
  - Single configuration and requirements change business process
  - Agreement between O6's responsible for various programs

- The system of systems approach will achieve the following:
  - Reduction of expenditures on redundant or duplicative functionality
  - Single data repositories
  - Automated exchange of critical data between systems
  - Streamlined interfaces
  - Efficiencies in system related decisions by leadership

Questions?

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Agenda

- Resolve Technical Difficulty Issues

- Task-based Development

dL CoC Web-Based dL Technology Issues

- Issue/Problem: Soldiers have difficulty accessing/playing web-based distributed learning because of technical issues

- Desired Council Action
  - Form a group of NETCOM, TRADOC, and Reserve representatives to resolve how to deliver web-based training to the Soldier with fewer technical issues

- Key Assumption:
  - Web-based delivery of training is a timely, cost effective, instructionally sound way of delivering needed training to Soldiers
  - 90% of delivery issues are related to technical or administrative assistance for Soldiers.

dL CoC Web-Based dL Technology Issues

Key Discussion Points

✓ Soldiers in OCONUS locations have difficulty accessing web-based training if not on a .mil domain

✓ Soldiers (CONUS and OCONUS) often cannot download needed plug-ins required to run the web-based courseware on the .mil domain

✓ Each installation offers unique difficulties when Soldiers take training based on particular DOIM's security firewalls and restrictions

✓ When traffic is heavy on the NIPRNET, executing training can be so slow that it is ineffective

dL CoC Web-Based dL Technology Issues

Issue	Description	Possible Solutions
Firewalls	• Prevent students access to web-based dL material; both CONUS and OCONUS from other than military domain (home or private ISP) • Ports are closed that allow for streaming video	• Host web-based training outside of the NIPRNET • Find ways to reroute training (open specific ports) • Continue to investigate work arounds (i.e. CD ROM)
DOIM	• There are no service wide standard rules for DOIM operation. Each DOIM may apply more stringent rules • DOIM blocks access of key training plug-ins (i.e. RealPlayer) • DOIM restricts loading of certain plug-ins to Government computers (i.e. nGrain)	• Have NETCOM standardize DOIM operations with training community • Find way to reroute training (open specific ports) • Work with NETCOM to certify loading of plug-ins for all DOIMs

dL CoC Task-Based Development

- **Issue/Problem**: Past development and fielding of dL courseware has not been timely in meeting training requirements of Soldiers. Current TADLP funding is being used only for courses/phases of courses. Fielding is done when the total course is accepted.

- **Desired Council Action** – Provide method for obtaining critical tasks for task-based training development.

- **Key Assumptions**:
  - Timely delivery of dL products is critical for operational readiness of Soldiers and positioning the Army for transformation to ARFORGEN.
  - Focus on task development related to:
  - ✓ Battle Command Knowledge System (BCKS) requirements with focus on the   Operational Domain.
  - ✓ The 39/9 tasks directed by CSA.
  - ✓ Safety Issues.
  - ✓ Feedback from CALL.

dL CoC Task-Based Development

Key Discussion Points: (Proposed development strategy)

✓ Task-based development should take no more than 3 months to develop.

✓ Field 'good enough' tasks using the first 10-30 Soldiers as the validation population.

✓ Correct errors and validation comments before acceptance of courseware as final.

✓ Provide Soldier credit for taking tasks that are a part of a course.

✓ Put tasks together to form courses, when appropriate.

✓ Reuse tasks in other courses, where appropriate.

dL CoC Task-Based Development

- Status of Proof of Principle:
  - Graphical User Interface for all tasks is complete
  - Contract template was used for contracting 2 tasks
  - 2 in-house and 2 contracted tasks are under development
  - Operational Concept Document and Test Plan are developed
  - Evaluation Plan is being developed

- Way Ahead:
  - Tasks completed and initial fielding – Dec 05
  - Validation of tasks and evaluation of PoP – Jan 06
  - Results/Report Out – Feb 06

BACKUP

Issue/RQMT to be Briefed MDEP:
XXXX MACOM/PROPONENT: _____

Discussion: *Student services receives reports from Soldiers that they cannot access web-based training and/or they can not download plug-ins required to run the training. Timely training is needed by Soldiers. Soldiers need easy access to the most up-to-date training available as soon as it is developed.*

Funding $000K *type & amt of rqmt.*

	02	03	04	05	06	07	08	09
OMA								
RDTE								
OPA								

Risk Assessment-*Check one & explain:__*
☐ **Tier 0** *Can accept no risk*
☑ **Tier 1** *Can accept little risk*
☐ **Tier 2** *Can accept some risk*
☐ **Tier 3** *Can accept moderate risk*

RECOMMENDATION:
Form a group of NETCOM, TRADOC, and Reserve representatives to resolve how to deliver web-based training to the Soldier with fewer technical issues.

Approve/Disapprove   dL CoC

		Brief Y or N)

Comment

MDEP_____   **POC_____**   **QUAD#_____**

Issue/RQMT to be Briefed MDEP: XXXX
MACOM/PROPONENT: _____

Discussion: *Current fielding of dL courseware is not meeting timely training requirements of Soldiers. TAdLP funding is only for courses/phases of courses. PoP will evaluate task-based development approach before full implementation. Delivery orders will be modified and vetted through Technical Change Control Board based on lessons learned from PoP*

Funding $000K *type & amt of rqmt.*

	02	03	04	05	06	07	08	09
OMA								
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Risk Assessment-*Check one & explain***:__**

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RECOMMENDATION:
Based on results of the PoP for Task-Based Development, move forward with task-based development and incremental fielding of tasks. Approve use of TAdLP funds for either courses/phases or unit training products.

Approve/Disapprove   dL

CoC		
		Brief Y or N)

Comment

MDEP_____   POC_____   QUAD#_____

Summary

Benefits of The Army Distributed Learning Program:

- Improves readiness - supports an Army at War!

- Continuous training environment throughout career

- Foundation for Lifelong Learning

- Provides training anytime, anywhere; reduces time soldiers are away from unit/home

- Training efficiencies leveraged through multimedia and immersive training products

- Standardized Reserve Component and Active Component training